

Observations of Comets—Brooks, Fabry, and Barnard—made at Dun Echt Observatory with the Filar Micrometer of the 15-inch Refractor.

(Communicated by the Earl of Crawford and Balcarres.)

Object.	Date.	Dun Echt Mean. Time. h m s	Comet—Star. m s	$\Delta\alpha$	$\Delta\delta$	α Comet. h m s	δ Comet. ° 35' 4" 4	Observer.	Remarks.
Brooks	Oct. 5	9 3 41	+0 14.98	-0	4"	17 29 38.11	+ 4° 35' 4" 4	L. B.	Very faint, 3' diam.
Fabry	Dec. 7	8 20 59	+2 22.57	-3	31.8	0 25 10.02	+ 20 52 45.4	R. C.	Diam. 40", brighter towards the preceding side.
Barnard	...	7 12 21 45	+3 42.26	-1	54.9	4 12 29.07	+ 5 3 52.9	R. C.	Diam. 1', considerably brighter in the middle.

Adopted Mean Places of Comparison Stars for 1885.0.

	Redn.	α	δ	Redn.	Authorities.
1885	h m s				
Oct. 5	17 29 22.46	+ 0.67	+ 4° 35' 21.2"	+ 24.3"	Connected with B. W. 812.
	17 27 38.27		+ 4° 35' 23.8"		B. W. 812.
Dec. 7	0 22 44.03	+ 3.42	+ 20 55 52.1	+ 25.1	Bonn Observations, Vol. VI. + 20°, 47.
7 (bis)	4 8 42.70	+ 11.4	+ 5 5 45.8	+ 2.0	B. W. 4 ^h 123.

The observers' initials are those of Ralph Copeland and L. Becker.

Observations of the Biela Comet Meteors made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

Greenwich Mean Solar Time Astronomical.	Number of Meteors seen by F. L.	Number per minute seen by		State of the sky.
		F.	L.	
1885. Nov. 27	5 $\frac{1}{2}$	—	—	Cloudy; no meteors seen.
6	—	—	—	Sky nearly cloudless; meteors seen in considerable numbers, and continued to be seen until the commencement of counting at 6 ^h 18 ^m
6 18 to 6 37	626	—	32.9	—
6 37 6 47	—	200	—	20.0
6 37 6 49	449	—	37.4	—
6 49 6 58	—	100	—	1.11
6 51 6 59	109	—	13.1	—
6 58 7 4	10	—	7.1	—
7 5 7 15	—	13	—	3.1
7 30	—	—	—	Clouds appeared shortly before 7 ^h ; sky nearly covered at 7 ^h . Several bright meteors seen through thin clouds.